

AMENDMENTS TO THE CLAIMS:

1. (Currently Amended) ~~A network intelligence for a data network, comprising:~~
~~— a call service provider for, when connected to a plurality of data network telephones,~~
~~facilitating provision of telephony services for said plurality of telephones; and~~
~~— one or more terminal emulators each comprising at least one service proxy for, when~~
~~connected to a plurality of data sources, setting up services between said plurality of data sources and~~
~~said plurality of telephones.~~

An apparatus for facilitating provision of services in an IP data network for a data network telephone, the apparatus comprising:

a network intelligence for communicating IP messages to said data network telephone over the IP data network and facilitating provision of services for said data network telephone; and

wherein said network intelligence comprises, at least one terminal emulator operable for emulating said data network telephone, a configuration data structure, and a first service proxy launched in response to a first input received at the data network telephone based upon information in said configuration data structure, and a second service proxy launched in response to a second input received at the data network telephone, said first service proxy operable for setting up a first service between a first data source and said data network telephone, and said second service proxy operable for setting up a second service between a second data source and said data network telephone.

2. (Currently Amended) The apparatus ~~network intelligence~~ of claim 1 further comprising at least one configuration data structure for each of said plurality of data network telephones, each of claim 1 wherein said configuration data structure ~~correlating~~ correlates user input elements from [[a]] said data network telephone with functions.

3. (Currently Amended) The apparatus ~~network intelligence~~ of claim 1 further comprising a plurality of terminal emulators each having a plurality of configuration data structure~~[[s]]~~ for each of said plurality of data network telephones, each configuration data structure ~~of a plurality of configuration data structures for a given one of said plurality of telephones~~ correlating user input elements of said respective data network ~~given one~~ telephone with functions, ~~different configuration data structures for said given one telephone correlating at least some user input elements of said given one telephone with different functions.~~

4. (Currently Amended) The apparatus ~~network intelligence~~ of claim 3 wherein said user input elements comprise key press indications.

5.-28. (Canceled)

29. (Original) A computer readable medium, which when loaded into a processor connected to a data network to which at least one telephone is also connected, controls said processor to:

receive user input messages from said telephone over said data network, each user input message identifying a user input element actuated by a user;

where one or more user input messages from said telephone indicate a called station, establish a call between said telephone and said called station utilising a first service provider such that audio data may pass between said telephone and said called station, and update a state of said telephone to a state of busy with a voice call;

where, after establishment of said call, a further user input message is received and where a current function of a user input element identified in said further message indicates a service provided by a second service provider, if said state of said telephone is not incompatible with said function, send a control message to said telephone to establish said service provided by said second service provider.

30. (Currently Amended) A computer readable medium, which when loaded into a processor connected to [[a]] an IP data network to which at least one telephone is also connected, controls said processor to:

based on user input messages from said telephone, establish a voice call, said user input messages from said telephone including IP messages received over the IP data network;

based on one or more user input messages from said telephone received during pendency of said voice call, set up at least one non-telephony data service between said telephone and at least one data source, at least where said at least one data service does not conflict with said voice call.

31. (Canceled)

32. (Currently Amended) ~~A network intelligence for a data network, comprising:~~ An apparatus for facilitating provision of services in an IP data network for a data network telephone, the apparatus comprising:

a network intelligence ~~call service provider~~ for ~~for~~ communicating IP messages to said ~~when connected to a plurality of data network telephone~~ over the IP data network and facilitating provision of a telephony service ~~for said plurality of data network telephone~~ for said plurality of data network telephone; and

a control messenger for selectively sending (i) a control message to enable a user input element of a ~~given said data network telephone of said plurality of telephones~~ said data network telephone to locally control a function at said ~~given data network telephone~~ said data network telephone and (ii) a control message to disable a user input element of ~~said data network telephone a given telephone of said plurality of telephones~~ said data network telephone to locally control a function at said ~~given data network telephone~~ said data network telephone.

33. (Currently Amended) The apparatus network intelligence of claim 32 wherein said user input element comprises a volume control.

34.-38. (Canceled).

39. (Currently Amended) ~~A network intelligence for a data network, comprising:~~ An apparatus for facilitating provision of services in an IP data network for a data network telephone, the apparatus comprising:

a network intelligence ~~call service provider~~ for[[,]] for communicating IP messages to said
~~when connected to a plurality of~~ data network telephone[[s]] over said IP data network[[,]] and
facilitating provision of a telephony service[[s]] for said ~~plurality of~~ data network telephone[[s]], said
network intelligence ~~call service provider~~ including a messenger for sending messages with audio
parameters over said data network to said ~~plurality of~~ data network telephone[[s]] for controlling
audio at said ~~plurality of~~ data network telephone[[s]], said audio parameters including transmission
and reception filters.

40. (Currently Amended) The apparatus ~~network intelligence~~ of claim 39 wherein said audio
parameters further comprise receive loudness rating, send loudness rating, side tone masking rating,
transmission and reception filter gain compensation, automatic gain control, and switched loss.

41. (Currently Amended) The apparatus ~~network intelligence~~ of claim 40 wherein said audio
parameters further comprise receive volume range, receive volume step size, and default volume
level.

42.-49. (Canceled).